

**Table O.6.1 Structures and Facilities Life**

<u>Sector / Structures / Facilities</u>	<u>Life (Year)</u>
● <b>Architectures</b>	
<u>Reinforced concrete building, 5-story-10 story</u>	50
<u>Wooden made house, 1-story</u>	30
<u>Brick made house, 1-story</u>	30
● <b>Transportation</b>	
<u>Paved road, 1<sup>st</sup> class, re-pavement</u>	15
<u>Reinforced concrete bridge</u>	60
<u>Steel bridge</u>	48
<u>Wooden bridge</u>	18
<u>Electric locomotive</u>	20
<u>Diesel locomotive</u>	15
● <b>Water resources</b>	
<u>Earthfill dam for water supply</u>	40
<u>Center core type rockfill dam for water supply</u>	50
<u>Concrete gravity dam for water supply</u>	80
<u>Water reservoir for water supply</u>	30
<u>Water supply pipeline</u>	40
● <b>Water supply</b>	
<u>Intake facilities, concrete weir</u>	60
<u>Intake pump</u>	25
<u>Raw water transmission, open channel</u>	50
<u>Raw water transmission, ductile iron pipe</u>	40
<u>Raw water transmission, iron pipe</u>	25
<u>Water treatment plant, civil structures</u>	60
<u>Clear water transmission main, ductile iron pipe</u>	40
<u>Clear water transmission main, iron pipe</u>	25
<u>Clear water distribution pipe</u>	25
<u>Deepwell</u>	20
<u>Reinforced concrete elevated tank</u>	40
● <b>Sewerage</b>	
<u>Waste water treatment plant</u>	50
<u>Lift up pump</u>	15
<u>Sewerage correction network</u>	30

● <u>Storm water</u>	
<u>Concrete box culvert</u>	30
<u>Drainage pump and motor</u>	20
<u>Drain ditch, concrete pipe</u>	30
● <u>Flood mitigation</u>	
<u>Control gate (civil structure)</u>	30
<u>Control gate (mechanical)</u>	25
<u>Earth dike</u>	50
● <u>Energy</u>	
<u>Coal-thermal power plant</u>	50
<u>Gas-turbine combined cycle plant</u>	40
<u>High voltage transmission line, over 3.3 kV</u>	40
<u>Hot water boiler for district heating</u>	40
● <u>Telecommunication</u>	
<u>Telephone line</u>	30
● <u>Waste disposal</u>	
<u>Collection vehicle</u>	10
<u>Intermediate treatment plant/transfer station</u>	15
<u>Landfill site</u>	20
● <u>Others</u>	
<u>Diesel generating plant</u>	30

**Table O.6.2 Integrated Replacement Cost in Phase I, II, and III (2001-2030)**

US\$ 1.0=Tenge 144.0=JY108.0

unit : US\$ thousand

[illegible]

**FIGURE**

**Figure O.2.1 Overall Implementation Schedule for the Development of the City Astana, Phase I, II, and III**

Cost Code	Implementation Items	Unit	Q'ty	Phase I (2001-2010)										Phase II (2011-2020)										Phase III (2021-2030)									
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
10	<b>Urban Development</b>	ha	69,881																														
10-1	Central planning region	ha	1,689																														
10-2	Northern planning region	ha	22,614																														
10-3	Southeastern planning region	ha	11,270																														
10-4	Southern planning region	ha	24,399																														
10-5	Northwest planning region	ha	9,909																														
	<b>Infrastructures and Engineering Protection</b>																																
20	Transportation	LS	1																														
30	Water resources	LS	1																														
40	Water supply	LS	1																														
50	Sewarage	LS	1																														
60	Stormwater drainage	LS	1																														
70	Flood protection	LS	1																														
80	Power & heat energy	LS	1																														
90	Gas supply	LS	1																														
100	Telecommunication	LS	1																														
110	Solidwaste	LS	1																														

..... lead time (financial arrangement, feasibility study, basic design, detailed design, tendering, contracting etc.)

■ construction

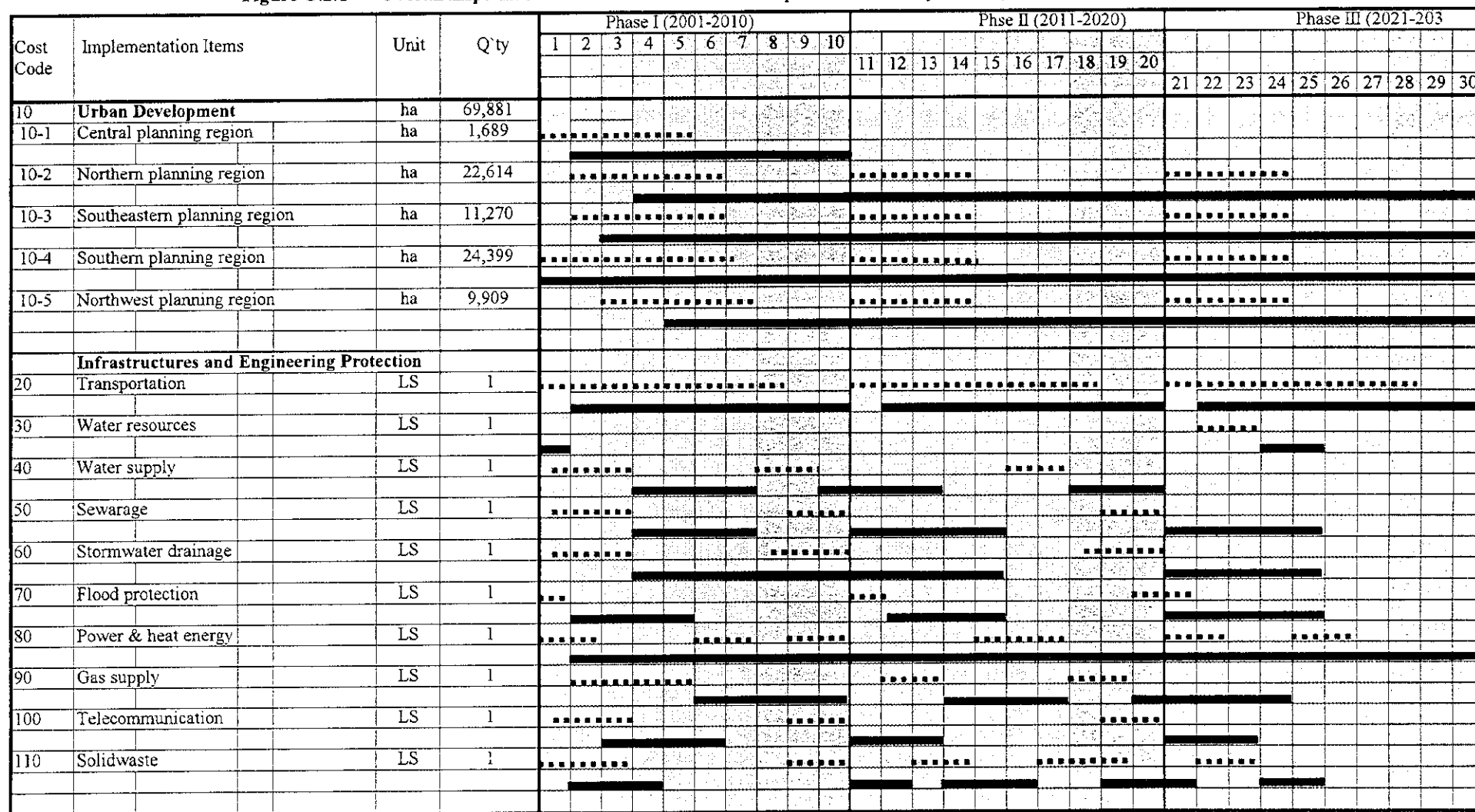
■ : 1st priority group

■ : 2nd priority group

■ : 3rd priority group

note : an implementation schedule for respective sector are provided in the Figure 6.2.2 to 6.2.17 and 6.3.1 of supporting report

**Figure O.2.1 Overall Implementation Schedule for the Development of the City Astana, Phase I, II, and III**



..... lead time (financial arrangement, feasibility study, basic design, detailed design, tendering, contracting etc.)

■ construction

■ : 1st priority group

■ : 2nd priority group

■ : 3rd priority group

note : an implementation schedule for respective sector are provided in the Figure 6.2.2 to 6.2.17 and 6.3.1 of supporting report

***FIGURE***

**FigureO.2.2**

No.	Number of District	Development and Cost Items	Unit	Qty	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
			ha	1,689	1st priority		2nd		3rd																									
	Total Area of Central Planning Region			ha	385																													
1	Residential district 3																																	
		1) residential 2001-2010	m2	0																														
		2) residential 2011-2020	m2	146,000																														
		3) residential 2021-2030	m2	204,000																														
		4) office 2001-2010	m2	0																														
		5) office 2011-2020	m2	116,000																														
		6) office 2021-2030	m2	78,000																														
		7) commercial 2001-2010	m2	0																														
		8) commercial 2011-2020	m2	3,000																														
		9) commercial 2021-2030	m2	9,000																														
2	Residential district 4A			ha	563																													
		1) residential 2001-2010	m2	183,000																														
		2) residential 2011-2020	m2	153,000																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	33,000																														
		5) office 2011-2020	m2	153,000																														
		6) office 2021-2030	m2	58,000																														
		7) commercial 2001-2010	m2	6,000																														
		8) commercial 2011-2020	m2	8,000																														
		9) commercial 2021-2030	m2	12,000																														
3	Residential district 5			ha	357																													
		1) residential 2001-2010	m2	124,000																														
		2) residential 2011-2020	m2	154,000																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	0																														
		5) office 2011-2020	m2	11,000																														
		6) office 2021-2030	m2	68,000																														
		7) commercial 2001-2010	m2	2,000																														
		8) commercial 2011-2020	m2	3,000																														
		9) commercial 2021-2030	m2	5,000																														
4	Residential district 6			ha	384																													
		1) residential 2001-2010	m2	99,000																														
		2) residential 2011-2020	m2	121,000																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	0																														
		5) office 2011-2020	m2	9,000																														
		6) office 2021-2030	m2	2,000																														
		7) commercial 2001-2010	m2	2,000																														
		8) commercial 2011-2020	m2	3,000																														
		9) commercial 2021-2030	m2	5,000																														



Figure O.2.2 Construction Schedule for Residential, Offices and Commercial in Central Planning Region, Phase I: A and B

No.	Number of District	Development and Cost Items	Unit	Q'ty	2001-2010										2011-2020										2021-2030															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
	Total Area of Central Planning Region		ha	1,689	(1st priority)					2nd					(3rd)																									
1	Residential district 3		ha	385																																				
		1) residential 2001-2010	m2	0																																				
		2) residential 2011-2020	m2	146,000																																				
		3) residential 2021-2030	m2	204,000																																				
		4) office 2001-2010	m2	0																																				
		5) office 2011-2020	m2	116,000																																				
		6) office 2021-2030	m2	78,000																																				
		7) commercial 2001-2010	m2	0																																				
		8) commercial 2011-2020	m2	3,000																																				
		9) commercial 2021-2030	m2	9,000																																				
2	Residential district 4A		ha	563																																				
		1) residential 2001-2010	m2	183,000																																				
		2) residential 2011-2020	m2	153,000																																				
		3) residential 2021-2030	m2	0																																				
		4) office 2001-2010	m2	33,000																																				
		5) office 2011-2020	m2	153,000																																				
		6) office 2021-2030	m2	58,000																																				
		7) commercial 2001-2010	m2	6,000																																				
		8) commercial 2011-2020	m2	8,000																																				
		9) commercial 2021-2030	m2	12,000																																				
3	Residential district 5		ha	357																																				
		1) residential 2001-2010	m2	124,000																																				
		2) residential 2011-2020	m2	154,000																																				
		3) residential 2021-2030	m2	0																																				
		4) office 2001-2010	m2	0																																				
		5) office 2011-2020	m2	11,000																																				
		6) office 2021-2030	m2	68,000																																				
		7) commercial 2001-2010	m2	2,000																																				
		8) commercial 2011-2020	m2	3,000																																				
		9) commercial 2021-2030	m2	5,000																																				
4	Residential district 6		ha	384																																				
		1) residential 2001-2010	m2	99,000																																				
		2) residential 2011-2020	m2	121,000																																				
		3) residential 2021-2030	m2	0																																				
		4) office 2001-2010	m2	0																																				
		5) office 2011-2020	m2	9,000																																				
		6) office 2021-2030	m2	2,000																																				
		7) commercial 2001-2010	m2	2,000																																				
		8) commercial 2011-2020	m2	3,000																																				
		9) commercial 2021-2030	m2	5,000																																				

**Figure O.2.3 Construction Schedule for Residential, Offices and Commercial in Northern Planning Region, Phase I, II and III (1/2)**

No.	Number of District	Development and Cost Items	Unit	Q'ty	2001- 2010							2011- 2020							2021- 2030										
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Total Area of Northern Planning Region		ha	22,614	(Est. priority)							(2nd)																	
1	Northern Industrial District		ha	2,146																									
		1) residential 2001-2010	m2	0																									
		2) residential 2011-2020	m2	0																									
		3) residential 2021-2030	m2	0																									
		4) office 2001-2010	m2	0																									
		5) office 2011-2020	m2	22,000																									
		6) office 2021-2030	m2	18,000																									
		7) commercial 2001-2010	m2	0																									
		8) commercial 2011-2020	m2	0																									
		9) commercial 2021-2030	m2	1,000																									
2	Central Industrial District		ha	3,353																									
		1) residential 2001-2010	m2	37,000																									
		2) residential 2011-2020	m2	0																									
		3) residential 2021-2030	m2	0																									
		4) office 2001-2010	m2	0																									
		5) office 2011-2020	m2	34,000																									
		6) office 2021-2030	m2	28,000																									
		7) commercial 2001-2010	m2	1,000																									
		8) commercial 2011-2020	m2	0																									
		9) commercial 2021-2030	m2	0																									
3	Planning District I (high-tech park)		ha	6,302																									
		1) residential 2001-2010	m2	0																									
		2) residential 2011-2020	m2	0																									
		3) residential 2021-2030	m2	0																									
		4) office 2001-2010	m2	4,000																									
		5) office 2011-2020	m2	0																									
		6) office 2021-2030	m2	0																									
		7) commercial 2001-2010	m2	0																									
		8) commercial 2011-2020	m2	0																									
		9) commercial 2021-2030	m2	0																									
4	Planning District II (high-tech park)		ha	3,710																									
		1) residential 2001-2010	m2	0																									
		2) residential 2011-2020	m2	0																									
		3) residential 2021-2030	m2	0																									
		4) office 2001-2010	m2	0																									
		5) office 2011-2020	m2	0																									
		6) office 2021-2030	m2	4,000																									
		7) commercial 2001-2010	m2	0																									
		8) commercial 2011-2020	m2	0																									
		9) commercial 2021-2030	m2	0																									
5	Planning District III (high-tech park)		ha	2,927																									
		1) residential 2001-2010	m2	0																									
		2) residential 2011-2020	m2	0																									

Figure O.2.3 Construction Schedule for Residential, Offices and Commercial in Northern Planning Region, Phase I, II and III (1/2)

No.	Number of District	Development and Cost Items	Unit	Q'ty	2001- 2010										2011- 2020										2021- 2030														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
	Total Area of Northern Planning Region		ha	22,614	(1st priority)					2nd					3rd															legends:									
1	Northern Industrial District		ha	2,146																															Residential area				
		1) residential 2001-2010	m2	0																															Office floor				
		2) residential 2011-2020	m2	0																															Commercial area				
		3) residential 2021-2030	m2	0																																			
		4) office 2001-2010	m2	0																																			
		5) office 2011-2020	m2	22,000																																			
		6) office 2021-2030	m2	18,000																																			
		7) commercial 2001-2010	m2	0																																			
		8) commercial 2011-2020	m2	0																																			
		9) commercial 2021-2030	m2	1,000																																			
2	Central Industrial District		ha	3,353																																			
		1) residential 2001-2010	m2	37,000																																			
		2) residential 2011-2020	m2	0																																			
		3) residential 2021-2030	m2	0																																			
		4) office 2001-2010	m2	0																																			
		5) office 2011-2020	m2	34,000																																			
		6) office 2021-2030	m2	28,000																																			
		7) commercial 2001-2010	m2	1,000																																			
		8) commercial 2011-2020	m2	0																																			
		9) commercial 2021-2030	m2	0																																			
3	Planning District I (high-tech park)		ha	6,302																																			
		1) residential 2001-2010	m2	0																																			
		2) residential 2011-2020	m2	0																																			
		3) residential 2021-2030	m2	0																																			
		4) office 2001-2010	m2	4,000																																			
		5) office 2011-2020	m2	0																																			
		6) office 2021-2030	m2	0																																			
		7) commercial 2001-2010	m2	0																																			
		8) commercial 2011-2020	m2	0																																			
		9) commercial 2021-2030	m2	0																																			
4	Planning District II (high-tech park)		ha	3,710																																			
		1) residential 2001-2010	m2	0																																			
		2) residential 2011-2020	m2	0																																			
		3) residential 2021-2030	m2	0																																			
		4) office 2001-2010	m2	0																																			
		5) office 2011-2020	m2	0																																			
		6) office 2021-2030	m2	4,000																																			
		7) commercial 2001-2010	m2	0																																			
		8) commercial 2011-2020	m2	0																																			
		9) commercial 2021-2030	m2	0																																			
5	Plaaning District III (high-tech park)		ha	2,927																																			
		1) residential 2001-2010	m2	0																																			
		2) residential 2011-2020	m2	0																																			

Figure O.2.3 Construction Schedule for Residential, Offices and Commercial in Northern Planning Region, Phase I, II and III (2/2)




Figure 0.2.3 Construction Schedule for Residential, Offices and Commercial in Northern Planning Region, Phase 1, 2 and 3 (m2)																														
No.	Number of District	Development and Cost Items	Unit	Q'ty	2001- 2010							2011- 2020							2021- 2030											
					1	2	3	4	5	6	7	11	12	13	14	15	16	17	18	19	21	22	23	24	25	26	27	28	29	30
		3) residential 2021-2030	m2	0																										
		4) office 2001-2010	m2	0																										
		5) office 2011-2020	m2	4,000																										
		6) office 2021-2030	m2	0																										
		7) commercial 2001-2010	m2	0																										
		8) commercial 2011-2020	m2	0																										
		9) commercial 2021-2030	m2	0																										
6	Planning District IV (military academy)		ha																											
		1) residential 2001-2010	m2	0																										
		2) residential 2011-2020	m2	0																										
		3) residential 2021-2030	m2	0																										
		4) office 2001-2010	m2	0																										
		5) office 2011-2020	m2	0																										
		6) office 2021-2030	m2	0																										
		7) commercial 2001-2010	m2	0																										
		8) commercial 2011-2020	m2	0																										
		9) commercial 2021-2030	m2	0																										
7	Planning District VI (services)		ha																											
		1) residential 2001-2010	m2	0																										
		2) residential 2011-2020	m2	0																										
		3) residential 2021-2030	m2	0																										
		4) office 2001-2010	m2	2,000																										
		5) office 2011-2020	m2	2,000																										
		6) office 2021-2030	m2	2,000																										
		7) commercial 2001-2010	m2	0																										
		8) commercial 2011-2020	m2	0																										
		9) commercial 2021-2030	m2	0																										
8	Planning District IV (cargo center)		ha																											
		1) residential 2001-2010	m2	0																										
		2) residential 2011-2020	m2	0																										
		3) residential 2021-2030	m2	0																										
		4) office 2001-2010	m2	15,000																										
		5) office 2011-2020	m2	15,000																										
		6) office 2021-2030	m2	15,000																										
		7) commercial 2001-2010	m2	0																										
		8) commercial 2011-2020	m2	0																										
		9) commercial 2021-2030	m2	0																										

legends:

Residential  
Office floor  
Commercial area

Figure O.2.3 Construction Schedule for Residential, Offices and Commercial in Northern Planning Region, Phase I, II and III (2/2)

No.	Number of District	Development and Cost Items	Unit	Qty	2001-2010										2011-2020										2021-2030									
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	0																														
		5) office 2011-2020	m2	4,000																														
		6) office 2021-2030	m2	0																														
		7) commercial 2001-2010	m2	0																														
		8) commercial 2011-2020	m2	0																														
		9) commercial 2021-2030	m2	0																														
6	Planning District IV (military academy)		ha																															
		1) residential 2001-2010	m2	0																														
		2) residential 2011-2020	m2	0																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	0																														
		5) office 2011-2020	m2	0																														
		6) office 2021-2030	m2	0																														
		7) commercial 2001-2010	m2	0																														
		8) commercial 2011-2020	m2	0																														
		9) commercial 2021-2030	m2	0																														
7	Planning District VI (services)		ha																															
		1) residential 2001-2010	m2	0																														
		2) residential 2011-2020	m2	0																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	2,000																														
		5) office 2011-2020	m2	2,000																														
		6) office 2021-2030	m2	2,000																														
		7) commercial 2001-2010	m2	0																														
		8) commercial 2011-2020	m2	0																														
		9) commercial 2021-2030	m2	0																														
8	Planning District IV (cargo center)		ha																															
		1) residential 2001-2010	m2	0																														
		2) residential 2011-2020	m2	0																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	15,000																														
		5) office 2011-2020	m2	15,000																														
		6) office 2021-2030	m2	15,000																														
		7) commercial 2001-2010	m2	0																														
		8) commercial 2011-2020	m2	0																														
		9) commercial 2021-2030	m2	0																														

legends:	
	Residential area
	Office floor
	Commercial area

**Figure O.2.4 Construction Schedule for Residential, Office and Commercial in Southeastern Planning Region, Phase I, II and III (1/2)**

No.	Number of District	Development and Cost Items	Unit	Q'ty	2001- 2010										2011- 2020										2021-2030									
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Total Area of Southeastern Planning Region		ha	11,270	(1st priority)										(2nd)										(3rd)									
1	Residential district 7		ha	562																														
		1) residential 2001-2010	m2	617,000																														
		2) residential 2011-2020	m2	66,000																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	41,000																														
		5) office 2011-2020	m2	9,000																														
		6) office 2021-2030	m2	4,000																														
		7) commercial 2001-2010	m2	10,000																														
		8) commercial 2011-2020	m2	3,000																														
		9) commercial 2021-2030	m2	10,000																														
2	Residential district 8		ha	395																														
		1) residential 2001-2010	m2	0																														
		2) residential 2011-2020	m2	0																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	0																														
		5) office 2011-2020	m2	0																														
		6) office 2021-2030	m2	0																														
		7) commercial 2001-2010	m2	1,000																														
		8) commercial 2011-2020	m2	1,000																														
		9) commercial 2021-2030	m2	4,000																														
3	Residential district 9		ha	552																														
		1) residential 2001-2010	m2	477,000																														
		2) residential 2011-2020	m2	0																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	48,000																														
		5) office 2011-2020	m2	2,000																														
		6) office 2021-2030	m2	2,000																														
		7) commercial 2001-2010	m2	12,000																														
		8) commercial 2011-2020	m2	0																														
		9) commercial 2021-2030	m2	5,000																														
4	Residential district 10		ha	213																														
		1) residential 2001-2010	m2	80,000																														
		2) residential 2011-2020	m2	114,000																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	10,000																														
		5) office 2011-2020	m2	9,000																														
		6) office 2021-2030	m2	1,000																														
		7) commercial 2001-2010	m2	1,000																														
		8) commercial 2011-2020	m2	1,000																														
		9) commercial 2021-2030	m2	1,000																														
5	Industrial District, Station 40		ha	752																														
		1) residential 2001-2010	m2	181,000																														
		2) residential 2011-2020	m2	166,000																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	25,000																														
		5) office 2011-2020	m2	7,000																														



**Figure O.2.4 Construction Schedule for Residential, Office and Commercial in Southeastern Planning Region, Phase I, II and III (1/2)**

No.	Number of District	Development and Cost Items	Unit	Q'ty	2001- 2010										2011- 2020										2021- 2030									
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Total Area of Southeastern Planning Region		ha	11,270	(1st priority)										(2nd)										(3rd)									
1	Residential district 7		ha	562																														
		1) residential 2001-2010	m2	617,000																														
		2) residential 2011-2020	m2	66,000																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	41,000																														
		5) office 2011-2020	m2	9,000																														
		6) office 2021-2030	m2	4,000																														
		7) commercial 2001-2010	m2	10,000																														
		8) commercial 2011-2020	m2	3,000																														
		9) commercial 2021-2030	m2	10,000																														
2	Residential district 8		ha	395																														
		1) residential 2001-2010	m2	0																														
		2) residential 2011-2020	m2	0																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	0																														
		5) office 2011-2020	m2	0																														
		6) office 2021-2030	m2	0																														
		7) commercial 2001-2010	m2	1,000																														
		8) commercial 2011-2020	m2	1,000																														
		9) commercial 2021-2030	m2	4,900																														
3	Residential district 9		ha	552																														
		1) residential 2001-2010	m2	477,000																														
		2) residential 2011-2020	m2	0																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	48,000																														
		5) office 2011-2020	m2	2,000																														
		6) office 2021-2030	m2	2,000																														
		7) commercial 2001-2010	m2	12,000																														
		8) commercial 2011-2020	m2	0																														
		9) commercial 2021-2030	m2	5,000																														
4	Residential district 10		ha	213																														
		1) residential 2001-2010	m2	80,000																														
		2) residential 2011-2020	m2	114,000																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	10,000																														
		5) office 2011-2020	m2	9,000																														
		6) office 2021-2030	m2	1,000																														
		7) commercial 2001-2010	m2	1,000																														
		8) commercial 2011-2020	m2	1,000																														
		9) commercial 2021-2030	m2	1,000																														
5	Industrial District, Station 40		ha	752																														
		1) residential 2001-2010	m2	181,000																														
		2) residential 2011-2020	m2	166,000																														
		3) residential 2021-2030	m2	0																														
		4) office 2001-2010	m2	25,000																														
		5) office 2011-2020	m2	7,000																														

Figure O.2.4 Construction Schedule for Residential, Office and Commercial in Southeastern Planning Region, Phase I, II and III (2/2)

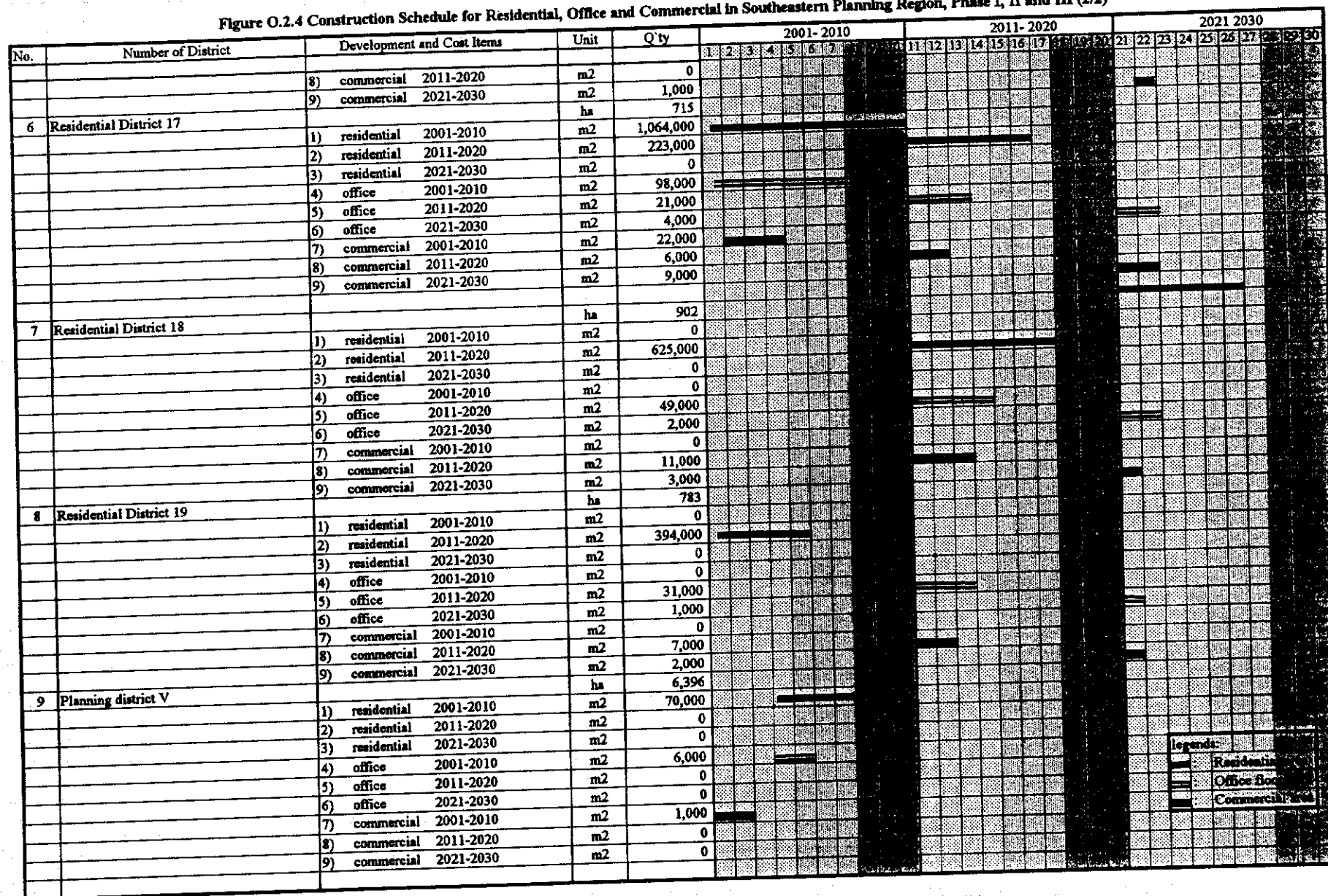




Figure O.2.4 Construction Schedule for Residential, Office and Commercial in Southeastern Planning Region, Phase I, II and III (2/2)

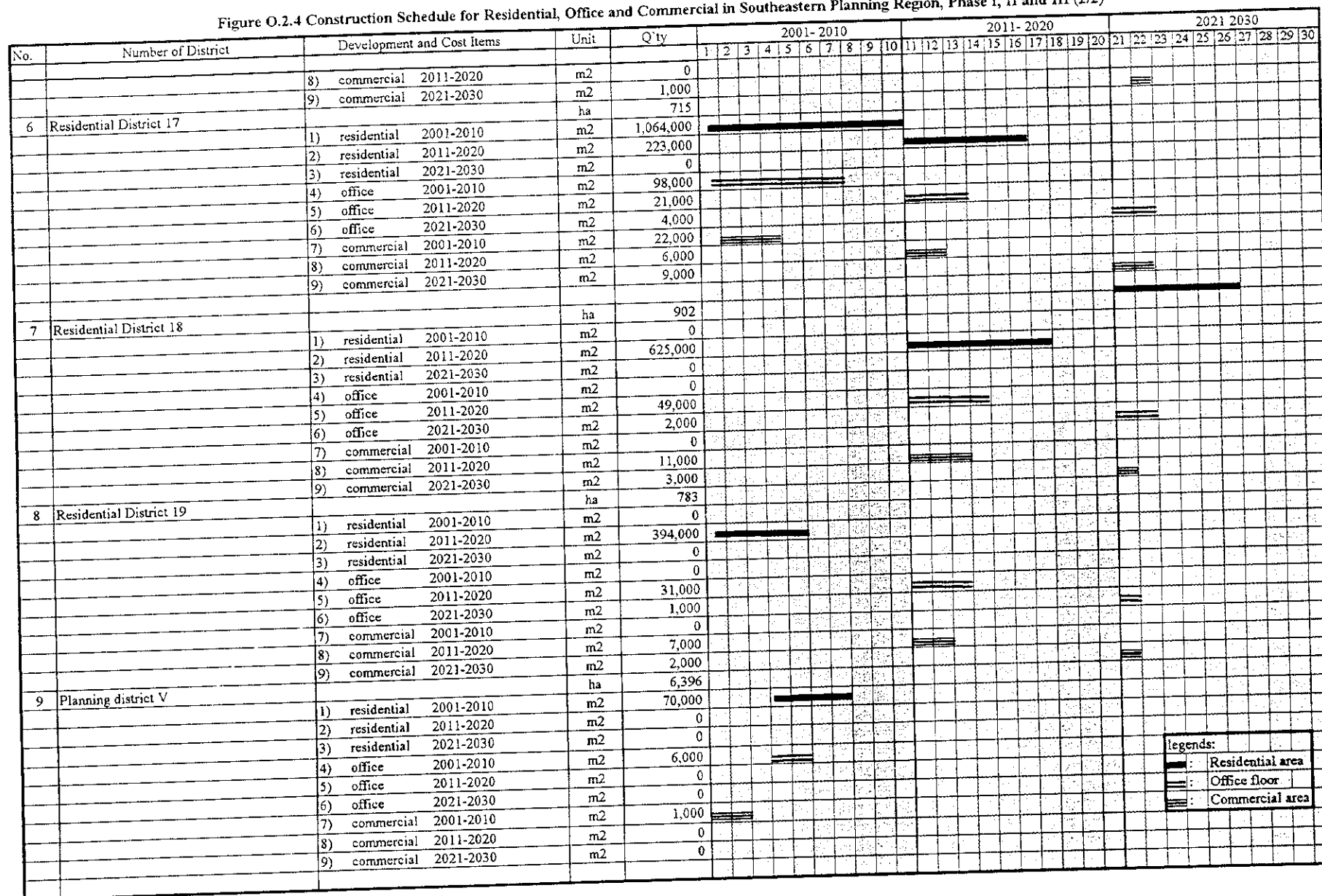


Figure O.2.5 Construction Schedule for Residential, Office and Commercial in Southern Planning region, Phase I, II and III (1/2)

No.	Number of District	Development and Cost Items	Unit	Q'ty	2001- 2010							2011- 2020										2021- 2030																
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
		Total Area of Southern Planning Region	ha	24,399	(1st priority)							(2nd)																										
1	Residential district 11		ha	1,251																																		
		1) residential 2001-2010	m2	42,000																																		
		2) residential 2011-2020	m2	69,000																																		
		3) residential 2021-2030	m2	1,177,000																																		
		4) office 2001-2010	m2	0																																		
		5) office 2011-2020	m2	6,000																																		
		6) office 2021-2030	m2	84,000																																		
		7) commercial 2001-2010	m2	0																																		
		8) commercial 2011-2020	m2	1,000																																		
		9) commercial 2021-2030	m2	26,000																																		
2	Residential district 12		ha	668																																		
		1) residential 2001-2010	m2	65,000																																		
		2) residential 2011-2020	m2	0																																		
		3) residential 2021-2030	m2	0																																		
		4) office 2001-2010	m2	0																																		
		5) office 2011-2020	m2	1,000																																		
		6) office 2021-2030	m2	1,000																																		
		7) commercial 2001-2010	m2	3,000																																		
		8) commercial 2011-2020	m2	1,000																																		
		9) commercial 2021-2030	m2	1,000																																		
3	Residential district 13		ha	942																																		
		1) residential 2001-2010	m2	159,000																																		
		2) residential 2011-2020	m2	0																																		
		3) residential 2021-2030	m2	0																																		
		4) office 2001-2010	m2	1,225,000																																		
		5) office 2011-2020	m2	303,000																																		
		6) office 2021-2030	m2	137,000																																		
		7) commercial 2001-2010	m2	40,000																																		
		8) commercial 2011-2020	m2	60,000																																		
		9) commercial 2021-2030	m2	45,000																																		
4	Residential district 14		ha	1,425																																		
		1) residential 2001-2010	m2	176,000																																		
		2) residential 2011-2020	m2	374,000																																		
		3) residential 2021-2030	m2	477,000																																		
		4) office 2001-2010	m2	324,000																																		
		5) office 2011-2020	m2	286,000																																		
		6) office 2021-2030	m2	240,000																																		
		7) commercial 2001-2010	m2	14,000																																		
		8) commercial 2011-2020	m2	25,000																																		
		9) commercial 2021-2030	m2	24,000																																		
5	Residential district 15		ha	820																																		
		1) residential 2001-2010	m2	0																																		
		2) residential 2011-2020	m2	340,000																																		
		3) residential 2021-2030	m2	63,000																																		
		4) office 2001-2010	m2	0																																		
		5) office 2011-2020	m2	27,000																																		
		6) office 2021-2030	m2	5,000																																		
		7) commercial 2001-2010	m2	0																																		
		8) commercial 2011-2020	m2	6,000																																		
		9) commercial 2021-2030	m2	3,000																																		
6	Residential district 16		ha	933																																		
		1) residential 2001-2010	m2	8,000																																		
		2) residential 2011-2020	m2	440,000																																		
		3) residential 2021-2030	m2	518,000																																		
		4) office 2001-2010	m2	1,000																																		
		5) office 2011-2020	m2	34,000																																		

Figure O.2.5 Construction Schedule for Residential, Office and Commercial in Southern Planning region, Phase I, II and III (1/2)

Figure 6.2.5 Construction Schedule for Residential, Office and Commercial Southern Planning Region																																								
No.	Number of District	Development and Cost Items	Unit	Q'ty	2001- 2010										2011- 2020										2021- 2030															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
	Total Area of Southern Planning Region		ha	24,399	(1st priority)					(2nd)					(3rd)															legends:										
1	Residential district 11		ha	1,251																															Residential area					
		1) residential 2001-2010	m2	42,000																															Office floor					
		2) residential 2011-2020	m2	69,000																															Commercial area					
		3) residential 2021-2030	m2	1,177,000																																				
		4) office 2001-2010	m2	0																																				
		5) office 2011-2020	m2	6,000																																				
		6) office 2021-2030	m2	84,000																																				
		7) commercial 2001-2010	m2	0																																				
		8) commercial 2011-2020	m2	1,000																																				
		9) commercial 2021-2030	m2	26,000																																				
2	Residential district 12		ha	668																																				
		1) residential 2001-2010	m2	65,000																																				
		2) residential 2011-2020	m2	0																																				
		3) residential 2021-2030	m2	0																																				
		4) office 2001-2010	m2	0																																				
		5) office 2011-2020	m2	1,000																																				
		6) office 2021-2030	m2	1,000																																				
		7) commercial 2001-2010	m2	3,000																																				
		8) commercial 2011-2020	m2	1,000																																				
		9) commercial 2021-2030	m2	1,000																																				
3	Residential district 13		ha	942																																				
		1) residential 2001-2010	m2	159,000																																				
		2) residential 2011-2020	m2	0																																				
		3) residential 2021-2030	m2	0																																				
		4) office 2001-2010	m2	1,225,000											see Figure 6.3.1																									
		5) office 2011-2020	m2	303,000																																				
		6) office 2021-2030	m2	137,000																																				
		7) commercial 2001-2010	m2	40,000																																				
		8) commercial 2011-2020	m2	60,000																																				
		9) commercial 2021-2030	m2	45,000																																				
4	Residential district 14		ha	1,425																																				
		1) residential 2001-2010	m2	176,000																																				
		2) residential 2011-2020	m2	374,000																																				
		3) residential 2021-2030	m2	477,000																																				
		4) office 2001-2010	m2	524,000											see Figure 6.3.1																									
		5) office 2011-2020	m2	286,000																																				
		6) office 2021-2030	m2	240,000																																				
		7) commercial 2001-2010	m2	14,000																																				
		8) commercial 2011-2020	m2	25,000																																				
		9) commercial 2021-2030	m2	24,000																																				
5	Residential district 15		ha	820																																				
		1) residential 2001-2010	m2	0																																				
		2) residential 2011-2020	m2	340,000																																				
		3) residential 2021-2030	m2	63,000																																				
		4) office 2001-2010	m2	0																																				
		5) office 2011-2020	m2	27,000																																				
		6) office 2021-2030	m2	5,000																																				
		7) commercial 2001-2010	m2	0																																				
		8) commercial 2011-2020	m2	6,000																																				
		9) commercial 2021-2030	m2	3,000																																				
6	Residential district 16		ha	933																																				
		1) residential 2001-2010	m2	8,000																																				
		2) residential 2011-2020	m2	440,000																																				
		3) residential 2021-2030	m2	518,000																																				
		4) office 2001-2010	m2	1,000																																				
		5) office 2011-2020	m2	34,000																																				

**Figure O.2.5 Construction Schedule for Residential, Office and Commercial in Southern Planning region, Phase I, II and III (2/2)**

[illegible]

**Figure O.2.5 Construction Schedule for Residential, Office and Commercial in Southern Planning region, Phase I, II and III (2/2)**

[illegible]

**Figure O.2.6**

No.	Number of District	Development and Cost Items	Unit	Q'ty	2001-2010							2011-2020							2021-2030						
					1	2	3	4	5	6	7	11	12	13	14	15	16	17	21	22	23	24	25	26	27
	Total Area for Northwestern Planning Region		ha	9,909	(1st priority)							(2nd)													
1	Residential district 1		ha	332																					
		1) residential 2001-2010	m2	0																					
		2) residential 2011-2020	m2	99,000																					
		3) residential 2021-2030	m2	113,000																					
		4) office 2001-2010	m2	0																					
		5) office 2011-2020	m2	8,000																					
		6) office 2021-2030	m2	8,000																					
		7) commercial 2001-2010	m2	0																					
		8) commercial 2011-2020	m2	1,000																					
		9) commercial 2021-2030	m2	5,000																					
2	Residential district 2		ha	441																					
		1) residential 2001-2010	m2	0																					
		2) residential 2011-2020	m2	266,000																					
		3) residential 2021-2030	m2	311,000																					
		4) office 2001-2010	m2	0																					
		5) office 2011-2020	m2	16,000																					
		6) office 2021-2030	m2	17,000																					
		7) commercial 2001-2010	m2	2,000																					
		8) commercial 2011-2020	m2	4,000																					
		9) commercial 2021-2030	m2	6,000																					
3	West Industrial District		ha	575																					
		1) residential 2001-2010	m2	0																					
		2) residential 2011-2020	m2	0																					
		3) residential 2021-2030	m2	0																					
		4) office 2001-2010	m2	8,000																					
		5) office 2011-2020	m2	5,000																					
		6) office 2021-2030	m2	5,000																					
		7) commercial 2001-2010	m2	0																					
		8) commercial 2011-2020	m2	0																					
		9) commercial 2021-2030	m2	0																					
4	Residential district 4B		ha	685																					
		1) residential 2001-2010	m2	65,000																					
		2) residential 2011-2020	m2	931,000																					
		3) residential 2021-2030	m2	0																					
		4) office 2001-2010	m2	6,000																					
		5) office 2011-2020	m2	73,000																					
		6) office 2021-2030	m2	2,000																					
		7) commercial 2001-2010	m2	1,000																					
		8) commercial 2011-2020	m2	17,000																					
		9) commercial 2021-2030	m2	5,000																					
5	Planning District IX		ha	7,876																					
		1) residential 2001-2010	m2	0																					
		2) residential 2011-2020	m2	0																					
		3) residential 2021-2030	m2	0																					
		4) office 2001-2010	m2	0																					
		5) office 2011-2020	m2	0																					
		6) office 2021-2030	m2	0																					
		7) commercial 2001-2010	m2	0																					
		8) commercial 2011-2020	m2	0																					
		9) commercial 2021-2030	m2	0																					

Figure O.2.6 Construction Schedule for Residential, Offices and Commercial in Northwestern Planning Region, Phase I, II and III

